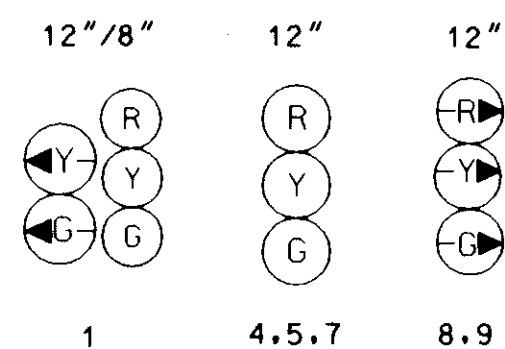
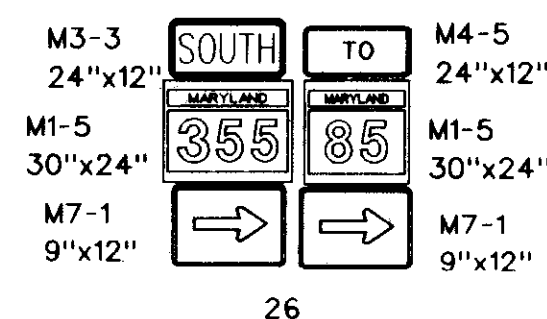
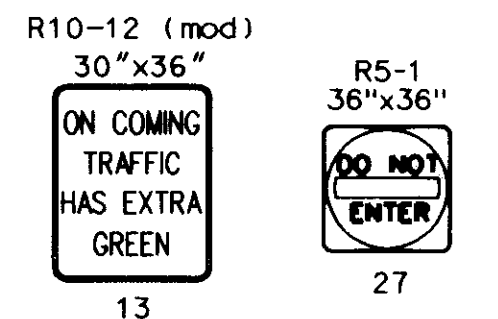


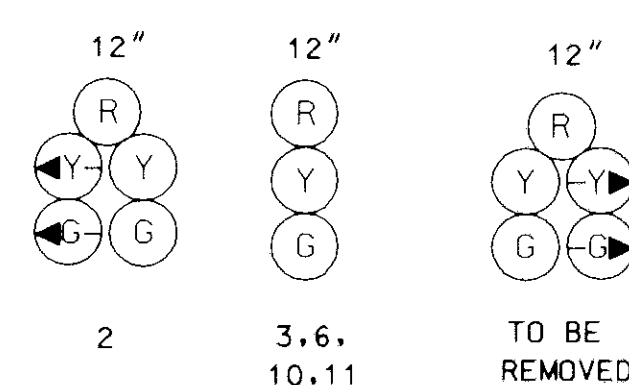
# PROPOSED SIGNALS



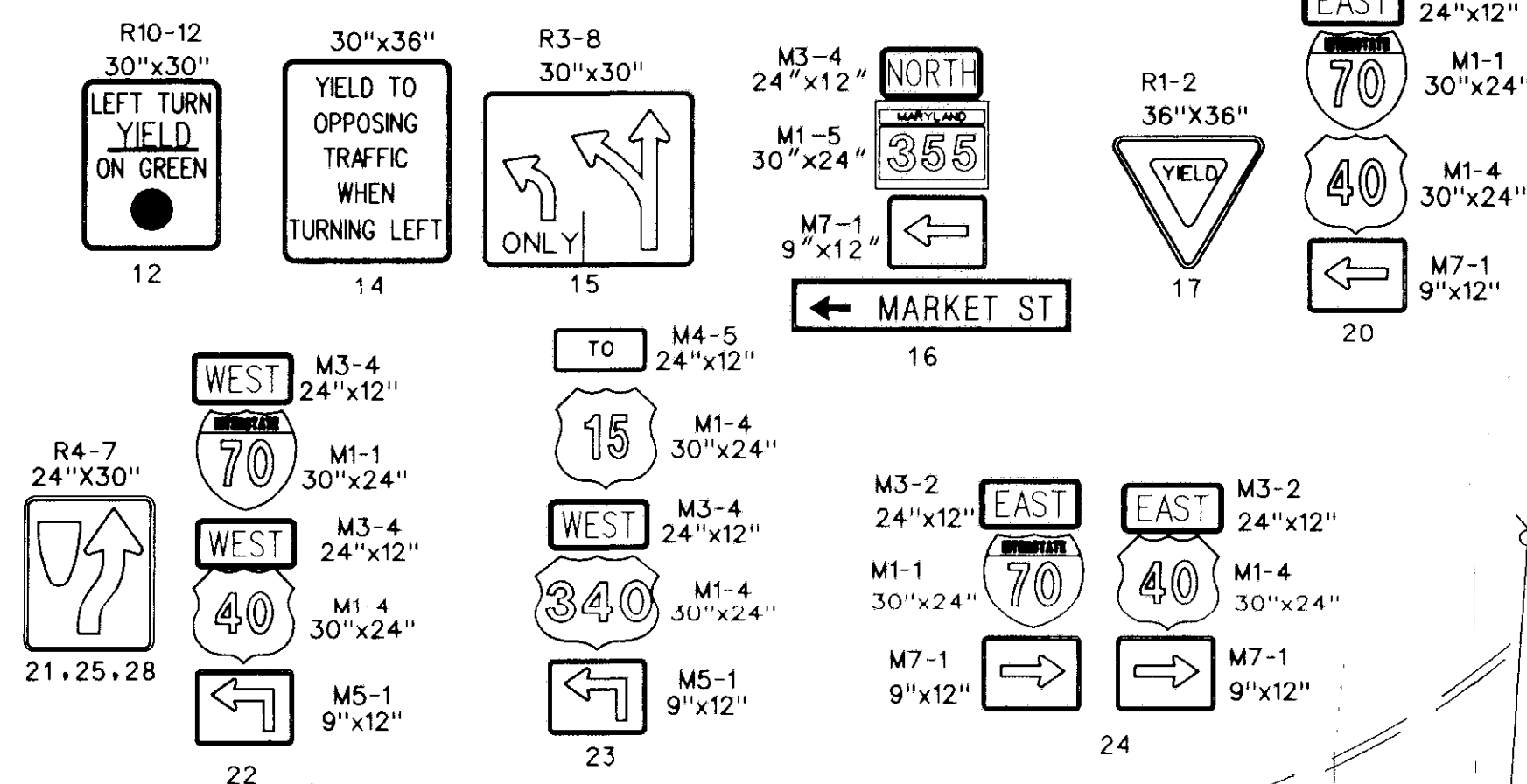
## PROPOSED SIGNS



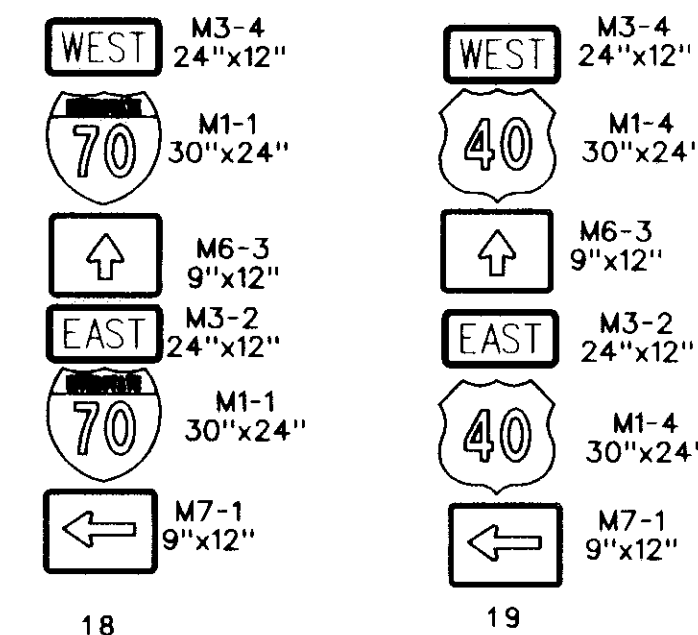
# EXISTING SIGNALS



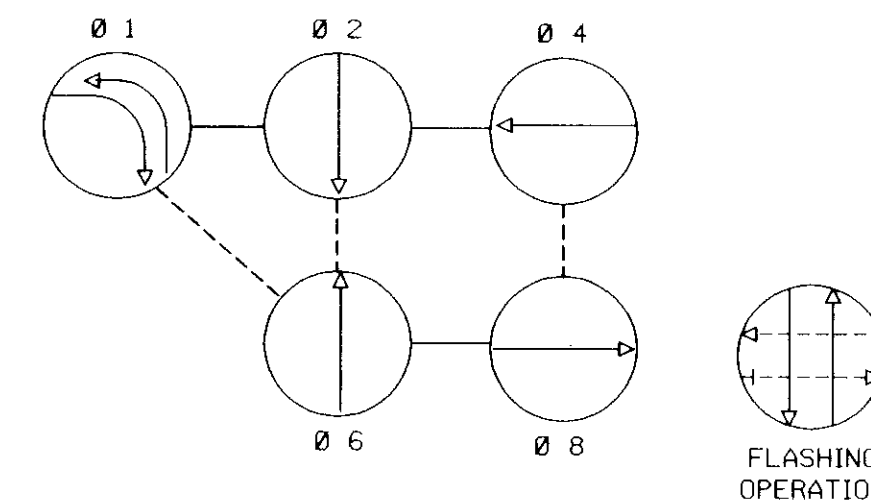
## EXISTING SIGNS



# EXISTING SIGNS (Cont.)



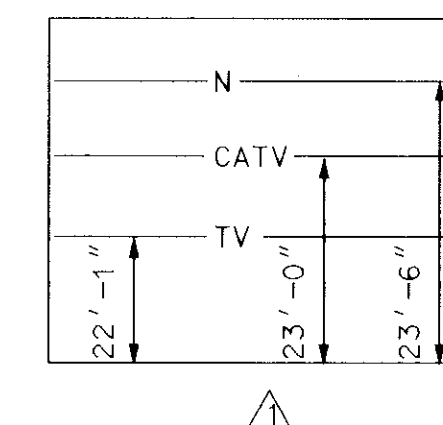
## NEMA PHASING



## PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE SHALL OPERATE CONCURRENTLY.

## OVERHEAD UTILITY HEIGHTS



## GENERAL NOTES

- PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS.
- THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
- CONTRACTOR MUST VERIFY LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
- ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
- REFER TO PAVEMENT MARKING PLANS FOR ADDITIONAL INFORMATION.

## CONSTRUCTION DETAILS

- Install 27 ft. steel pole with a 60 ft mast arm, signal heads, signs and a 20 ft. lighting arm with a 250 watt HPS lamp and luminaire as shown. (Note: one - 2 in. PVC schedule 80 conduit bend and four 2 in. x 90 in. anchor bolts).
- Remove and dispose of existing mast arm, foundation, signal heads and signs. (Contractor shall remove pole foundation 2 ft. below grade and backfill).
- Install electrical handhole.
- Install 2 in. PVC schedule 80 electrical conduit - trenched.
- Deleted.
- Install 1 in liquid tight flexible non-metallic conduit for detector wire sleeve.
- Remove / grind existing pavement marking.
- Install 3 in PVC schedule 80 electrical conduit - slotted.
- Install 6 ft x 6 ft vehicle loop detector (4 turns) - Prior to final roadway surface course.
- Install 6 ft. X 30 ft vehicle loop detector (3-6-3 turns) encased in flexible tubing (Prior to final roadway surface course).
- Existing sign to be relocated by others.
- Remove existing handhole.
- Cap and abandon existing conduit.
- Remove existing sign head from mast arm as shown.
- Install 2 in. PVC schedule 80 electrical conduit - trenched (Refer to pavement marking plan sheet for more detail).
- Use existing handhole.
- Install proposed signal heads and signs on mast arm.
- Use existing conduit.
- Rewire existing signal.
- Remove existing ground mounted sign.
- Install ground mounted sign as shown.
- Install 24 in. reflective thermoplastic pavement marking. (Refer to pavement marking plans for more detail).
- Abandon existing loop detector.
- Install 1 in. galvanized steel conduit for detector wire sleeve.
- Install signal as shown - side mount.

## UTILITY LEGEND

T	TELEPHONE CABLES
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
BC	BURIED CABLE
SD	STORM DRAIN

## GEOMETRIC LEGEND

---	EXISTING GEOMETRICS
---	PROPOSED GEOMETRICS

DCI CONSULTING ENGINEERS  
COLUMBIA, MARYLAND

REVISIONS	APPROVALS
⑧ REPLACE MAST ARM, POLE, 11/98 SIGNAL HEADS & LOOPS AS PART OF GEO. IMP.	ASST. DIVISION ENGINEER, TRAFFIC
DCI 11/98	ASST. DISTRICT ENGINEER, TRAFFIC
A RELOCATE BASE MOUNTED 5-1-81 CABINET & CONTROLLER & REVISE PHASING	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
DJD	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION

## MD 355 AT I-70 EASTBOUND ON /OFF RAMP

LOGMILE 10035509.86

DATE 9 / 2 / 80

DRAWN BY: MJF

F.A.P. NO.

TS NO:

CHECK BY: DHB

S.H.A. NO.

1670-B

SCALE: 1"=20'

COUNTY

FREDERICK

SHEET NO. 1 OF 3